EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with on

9/29/10.

The application has been amended as follows:

1. (Currently Amended) A method for enabling the generation of an updated web-page

for storage in one of a plurality of cache servers, said method comprising:

implementing programmable rules executing on each of the plurality of cache servers,

each programmable rule defining a triggering event associated with its corresponding cache

server, the occurrence of the triggering event being indicative of the existence of an obsolete

portion of said web-page stored in said corresponding cache server;

detecting an occurrence of a triggering event at a particular cache server selected from the

plurality of cache servers;

in response to the occurrence of said triggering event, causing said particular cache server

to request an update of said obsolete portion; and

receiving an updated portion of said web-page for storage at said particular cache server;

wherein detecting said triggering event comprises detecting the receipt of an updated

portion of said web-page.

5. (Cancelled)

7. (Currently Amended) ~~The method of claim 1, wherein said method further comprises~~

A method for enabling the generation of an updated web-page for storage in one of a plurality of cache servers, said method comprising:

implementing programmable rules executing on each of the plurality of cache servers, each programmable rule defining a triggering event associated with its corresponding cache server, the occurrence of the triggering event being indicative of the existence of an obsolete portion of said web-page stored in said corresponding cache server;

detecting an occurrence of a triggering event at a particular cache server selected from the plurality of cache servers;

in response to the occurrence of said triggering event, causing said particular cache server to request an update of said obsolete portion;

receiving an updated portion of said web-page for storage at said particular cache serve; and

providing an assembly script containing instructions for assembling constituent portions of a web-page and said updated portion into an updated web-page.

13 - 17. (Cancelled)

19. (Currently Amended) A computer-readable storage medium having encoded thereon software for updating web-pages stored in caches, each cache being associated with a corresponding cache server from a plurality of cache serves, said software comprising instructions for:

implementing programmable rules executing on each of the plurality of cache servers, each programmable rule defining a triggering event associated with its corresponding cache server, the occurrence of the triggering event being indicative of the existence of an obsolete portion of said web-page stored in said corresponding cache server;

detecting an occurrence of a triggering event at a particular cache server selected from the plurality of cache servers;

in response to the occurrence of said triggering event, causing said particular cache server to request an update of said obsolete portion; and

receiving an updated portion of said web-page for storage at said particular cache server;

wherein said instructions for detecting said triggering event comprise instructions detecting the receipt of an updated portion of said web-page.

23. (Cancelled)

25. (Currently Amended) ~~The computer-readable medium of claim 19, said computer-readable medium further comprises instructions for~~

A computer-readable storage medium having encoded thereon software for updating web-pages stored in caches, each cache being associated with a corresponding cache server from a plurality of cache serves, said software comprising instructions for:

implementing programmable rules executing on each of the plurality of cache servers, each programmable rule defining a triggering event associated with its corresponding cache server, the occurrence of the triggering event being indicative of the existence of an obsolete portion of said web-page stored in said corresponding cache server;

detecting an occurrence of a triggering event at a particular cache server selected from the plurality of cache servers;

in response to the occurrence of said triggering event, causing said particular cache server to request an update of said obsolete portion;

receiving an updated portion of said web-page for storage at said particular cache server; and

assembling constituent portions of a web-page and said updated portion into an updated web-page.

26. (Previously Presented) The computer-readable storage medium of claim 19, wherein

said instructions for causing said particular cache server to request an update comprise instructions for establishing communication with an origin server and requesting said update therefrom, and

said instructions for causing said particular cache server to receive an updated portion comprise instructions for receiving said updated portion from said origin server.

27. (Original) The computer-readable storage medium of claim 19, wherein said software further comprises instructions for collecting access-data indicative of how frequently said web-page is requested.

28. (Previously Presented) The computer-readable medium of claim 27, wherein said software further comprises instructions for managing the content of said caches in response to said access-data.

29.   (New) The method of claim 7, further comprising

generating a web-page incorporating said updated portion therein; and

serving said web-page to a user.

30.   (New) The method of claim 7, wherein implementing said programmable rules comprises interpreting a script containing instructions for defining a rule.

31.   (New) The method of claim 7, wherein requesting an update comprises formulating a database query to be carried out by a database engine.

32.   (New) The method of claim 7, wherein

causing said particular cache-server to request an update comprises establishing communication with an origin server and causing said particular cache server to request said update therefrom, and

receiving an updated portion comprises receiving said updated portion from said origin server.

33.   (New) The method of claim 32, further comprising providing a cache memory element separate from said origin server.

34.   (New) The method of claim 32, further comprising providing a cache memory element at said origin server.

35.   (New) The method of claim 7, further comprising collecting access-data indicative of how frequently said web-page is requested.

36.   (New) The method of claim 35, further comprising managing the content of caches in said cache servers in response to said access-data.

37.   (New) The computer-readable storage medium of claim 25, wherein said software further comprises instructions for:

        generating a web-page incorporating said updated portion therein; and

        serving said web-page to a user.

38.   (New) The computer-readable storage medium of claim 25, said instructions for implementing said programmable rules further comprise instructions for interpreting scripts containing instructions for defining the programmable rules.

39.   (New) The computer-readable storage medium of claim 25, wherein said instructions for detecting said triggering event comprise instructions detecting the receipt of an updated portion of said web-page.

40.   (New) The computer-readable <u>storage</u> medium of claim 25, wherein said instructions for requesting an updated portion of said web page comprise instructions for formulating a database query to be carried out by a database engine.

41.   (New) The computer-readable <u>storage</u> medium of claim 25, wherein

said instructions for causing said particular cache server to request an update comprise instructions for establishing communication with an origin server and requesting said update therefrom, and

said instructions for causing said particular cache server to receive an updated portion comprise instructions for receiving said updated portion from said origin server.

42.   (New) The computer-readable <u>storage</u> medium of claim 25, wherein said software further comprises instructions for collecting access-data indicative of how frequently said web-page is requested.

43.   (New) The computer-readable <u>storage</u> medium of claim 42, wherein said software further comprises instructions for managing the content of said caches in response to said access-data.

The following is an examiner's statement of reasons for allowance: After the decision of the Board of Appeal to affirm the Examiner in Part, Applicant's representative amended the independent claims in order to advance prosecution.

The Prior art on record fails to teach wherein detecting said triggering event comprise instructions detecting the receipt of an updated portion of said web-page and assembling constituent portions of a web-page and said updated portion into an updated web-page.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DJENANE M. BAYARD whose telephone number is (571)272-3878. The examiner can normally be reached on Monday- Friday 5:30 AM- 3:00 PM..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Jr Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Djenane M Bayard/
Primary Examiner, Art Unit 2444